

10/556387  
JC06 Rec'd PCT/PTO 10 NOV 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Inventors: Genichiro OTA, et al.  
Application No.: New PCT National Stage Application  
Filed: November 10, 2005  
For: MODULATION METHOD, MODULATION APPARATUS,  
DEMODULATION APPARATUS AND RADIO COMMUNICATION  
SYSTEM

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents  
Washington, DC 20231

Dear Sir:

Pursuant to Rules 56 and 99, Applicants hereby call the attention of the Patent Office to the art listed on the attached Form PTO 1449. Copies of the art cited in the International Search Report (ISR), which issued by the JPO, are made available to the U.S. examiner in the national stage application, pursuant to MPEP 1893.03(g), and therefore copies of such art are not submitted herewith. The art cited in the ISR is listed on the attached PTO-1449 for an indication of consideration by the examiner. Copies of any other references listed on the PTO-1449, besides those cited in the ISR, are submitted herewith. JP '143 is discussed in the present application at page 3, line 14 et seq. US '070 corresponds to JP '946 and US '783 corresponds to JP '042.

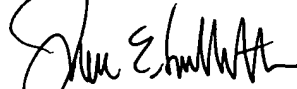
Applicants present this art so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rules 104 and 106.

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Applicants respectfully request that this art be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,



James E. Ledbetter  
Registration No. 28,732

Date: November 10, 2005

JEL/spp

ATTORNEY DOCKET NO. L9289.05188

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FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

L9289.05188

SERIAL NO.

New PCT Nat'l Stage  
Application

556387

APPLICANT

Genichiro OTA, et al.

FILING DATE

November 10, 2005

GROUP

Unassigned

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 1 7 2 0 7 0	12/1992	Hiraiwa et al.			
	4 8 1 6 7 8 3	03/1989	Leitch			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	0 8 1 4 9 1 6 9	06/1996	JP				
	0 4 1 7 7 9 4 6	06/1992	JP				
	0 4 5 0 1 0 4 2	02/2002	JP				
	6 3 0 9 2 1 4 3	04/1988	JP			Abstract	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PCT International Search Report dated June 29, 2004.

D. SAHA, et al.: "Quadrature-Quadrature Phase-Shift Keying," IEEE TRANSACTIONS ON COMMUNICATIONS, VOL. 37, NO. 5, May 1989, pp. 437-448.

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.